

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**REVOCATION OF POWER OF ATTORNEY AND NEW POWER
OF ATTORNEY BY ASSIGNEE**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: the following matters:

| Atty. Docket No. | Serial No. | Patent No. | Reel / Frame |
|-----------------------------|-------------------|-------------------|--------------------------------|
| UM-14735 | 11/776,395 | | 012480 / 0604 012479 / 0150 |
| UM-14712 | 11/824,870 | | 013888 / 0427 |
| UM-14675 | 11/820,616 | | 013129 / 0631 |
| UM-14668 | 11/820,377 | | 016741 / 0568 |
| UM-14667 | 11/818,766 | | 016727 / 0730 |
| UM-14654 | 11/811,019 | | 013937 / 0978 |
| UM-14624 | 11/818,083 | | 013129 / 0631 |
| UM-14596 | 11/582,035 | | 01870 / 0899 |
| UM-14595 | 11/582,027 | | 01870 / 0903 |
| UM-14592 | 11/582,259 | | 018667 / 0287 |
| UM-14588 | 11/607,388 | | 018756 / 0887 |
| UM-14586 | 10/548,692 | | 016588 / 0936 |
| UM-14585 | 10/375,373 | | 04050 / 0444 |

| | | | |
|----------|------------|--|------------------------------------------------------------------------|
| UM-14580 | 10/559,742 | | 07666 / 0675 |
| UM-14577 | 11/807,434 | | 014522 / 0709 |
| UM-14576 | 11/807,441 | | 014522 / 0709 |
| UM-14575 | 11/807,423 | | 014522 / 0709 |
| UM-14574 | 11/807,440 | | 014522 / 0709 |
| UM-14573 | 11/807,422 | | 014522 / 0709 |
| UM-14564 | 11/807,291 | | 011328 / 0881 |
| UM-14563 | 11/807,040 | | 011328 / 0881 |
| UM-14473 | 11/788,489 | | 012480 / 0604 012479 / 0150 |
| UM-14412 | 11/789,999 | | 014522 / 0709 |
| UM-14365 | 11/726,269 | | 013410 / 0032 |
| UM-14338 | 11/662,103 | | 016192 / 0300 |
| UM-14320 | 11/714,588 | | 014522 / 0709 |
| UM-14193 | 11/708,885 | | 019751 / 0555 |
| UM-14191 | 11/708,895 | | Assignment filed 6/27/07, no reel and frame provided yet by PTO. |
| UM-14168 | 11/715,767 | | 012739 / 0881 |
| UM-14167 | 11/709,623 | | 019722 / 0902 |
| UM-14128 | 11/715,642 | | 017022 / 0332 |

| | | | |
|----------|------------|--|------------------------------------------------------------------|
| UM-14111 | 11/708,858 | | 019689 / 0753 |
| UM-14073 | 11/651,808 | | Assignment filed 8/10/07, no reel and frame provided yet by PTO. |
| UM-14070 | 11/651,214 | | Assignment filed 5/29/07, no reel and frame provided yet by PTO. |
| UM-14045 | 11/655,413 | | 019469 / 0874 |
| UM-14044 | 11/753,191 | | 012480 / 0604 012479 / 0150 |
| UM-14025 | 11/643,443 | | 014898 / 0054 |
| UM-14024 | 11/643,614 | | 014522 / 0695 |
| UM-14001 | 11/649,595 | | 014727 / 0442 |
| UM-13481 | 11/726,219 | | 016900 / 0234 |
| UM-13457 | 11/601,895 | | 019253 / 0936 |
| UM-13449 | 11/647,006 | | 012480 / 0604 012479 / 0150 |
| UM-13436 | 11/592,087 | | 018885 / 0618 |
| UM-13404 | 11/591,324 | | 018842 / 0247 |
| UM-13403 | 11/643,211 | | 013792 / 0948 |
| UM-13295 | 11/591,019 | | 019360 / 0876 |
| UM-13293 | 11/585,492 | | 011328 / 0881 |
| UM-13275 | 11/607,780 | | 019434 / 0154 |
| UM-13271 | 11/542,576 | | 018894 / 0367 |

| | | | |
|----------|------------|--|------------------------------------------------------------------|
| UM-13270 | 11/545,586 | | Assignment filed 1/29/07, no reel and frame provided yet by PTO. |
| UM-13251 | 11/529,869 | | 012480 / 0604 012479 / 0150 |
| UM-13248 | 10/594,200 | | Assignment filed 7/27/07, no reel and frame provided yet by PTO. |
| UM-13219 | 11/523,305 | | 013843 / 0466 |
| UM-13218 | 11/519,248 | | 018810 / 0696 |
| UM-13217 | 11/517,659 | | 013610 / 0969 |
| UM-13212 | 11/523,509 | | 019510 / 0486 |
| UM-13082 | 11/507,084 | | 011669 / 0827 |
| UM-13081 | 11/506,442 | | 015315 / 0738 |
| UM-13076 | 11/503,742 | | 018494 / 0579 |
| UM-13054 | 11/498,669 | | 018631 / 0433 |
| UM-13034 | 11/496,317 | | 018794 / 0004 |
| UM-13027 | 11/488,291 | | 018415 / 0839 |
| UM-12040 | 11/451,204 | | 018312 / 0698 |
| UM-12037 | 11/451,774 | | 018810 / 0596 |
| UM-12036 | 11/451,773 | | 018810 / 0668 |
| UM-12031 | 11/519,397 | | 018804 / 0523 |
| UM-12017 | 11/447,836 | | 018255 / 0250 |

| | | | |
|----------|------------|-----------|------------------------------------------------------------------------|
| UM-12011 | 11/445,415 | | 018216 / 0781 |
| UM-10939 | 11/406,156 | | 018332 / 0632 |
| UM-10907 | 11/397,974 | | 018064 / 0413 |
| UM-10799 | 11/361,149 | | 018063 / 0006 |
| UM-10792 | 11/360,485 | | 018534 / 0625 |
| UM-10743 | 11/437,905 | | 017150 / 0595 |
| UM-10742 | 11/342,461 | | 013529 / 0495 |
| UM-10741 | 11/343,797 | | 013610 / 0879 |
| UM-10739 | 11/340,211 | | 015704/0657 |
| UM-10721 | 11/331,240 | | 014079 / 0792 |
| UM-10709 | 11/324,419 | | 017775 / 0370 |
| UM-10668 | 11/403,316 | | 018057 / 0793 |
| UM-10666 | 11/586,097 | | Assignment filed 1/16/07, no reel and frame provided yet by PTO. |
| UM-10663 | 11/317,329 | 7,176,019 | 013129 / 0611 |
| UM-10657 | 11/318,799 | | 017774 / 0150 |
| UM-10648 | 11/301,524 | | 017990 / 0719 |
| UM-10647 | 11/301,138 | | 012727 / 0270 |
| UM-10631 | 11/389,393 | | 018012 / 0370 |

| | | | |
|----------|------------|-----------|--------------------------------|
| UM-10554 | 10/714,055 | | 013860 / 0660 |
| UM-10550 | 08/385,194 | 6,685,941 | 013860 / 0660 |
| UM-10542 | 11/378,752 | | 013529 / 0495 |
| UM-10527 | 11/373,898 | | 018064 / 0671 |
| UM-10515 | 10/570,416 | | 018879 / 0632 |
| UM-10330 | 11/268,157 | | 018836 / 0902 |
| UM-10313 | 11/265,576 | | 017780 / 0419 |
| UM-10196 | 11/445,010 | | 018289 / 0289 |
| UM-10195 | 11/445,612 | | 018289 / 0289 |
| UM-10027 | 11/209,998 | | 017418 / 0030 |
| UM-10004 | 11/249,283 | | 017770 / 0637 |
| UM-09971 | 11/169,977 | | 014413 / 0959 |
| UM-09965 | 11/167,838 | | 017387 / 0207 |
| UM-09963 | 11/159,039 | | 013792 / 0948 |
| UM-09962 | 11/158,201 | | 014701 / 0873 |
| UM-09943 | 11/150,524 | | 012480 / 0604 012479 / 0150 |
| UM-09942 | 11/150,073 | | 012480 / 0604 012479 / 0150 |
| UM-09937 | 11/159,055 | | 013792 / 0948 |

| | | | |
|----------|------------|-----------|---------------|
| UM-09915 | 11/176,719 | | 017117 / 0246 |
| UM-09911 | 11/142,590 | | 017096 / 0211 |
| UM-09899 | 11/145,861 | | 017022 / 0332 |
| UM-09877 | 11/142,123 | | 017104 / 0341 |
| UM-09791 | 11/110,228 | | 016900 / 0234 |
| UM-09766 | 11/089,096 | | 016727 / 0730 |
| UM-09752 | 10/527,781 | | 017954 / 0727 |
| UM-09745 | 11/094,590 | | 016741 / 0568 |
| UM-09737 | 11/084,411 | | 013119 / 0858 |
| UM-09726 | 11/061,626 | | 016613 / 0941 |
| UM-09724 | 11/057,353 | | 014522 / 0709 |
| UM-09707 | 11/050,282 | | 016740 / 0406 |
| UM-09694 | 11/011,450 | | 012965 / 0077 |
| UM-09691 | 10/984,710 | 7,060,493 | 012697 / 0358 |
| UM-09651 | 10/964,536 | | 013888 / 0427 |
| UM-09613 | 10/959,885 | | 016343 / 0355 |
| UM-09489 | 11/052,444 | | 016757 / 0978 |
| UM-09433 | 11/009,923 | | 016681 / 0342 |

| | | | |
|----------|------------|-----------|---------------|
| UM-09413 | 10/996,637 | 7,092,492 | 016421 / 0395 |
| UM-09194 | 10/935,333 | | 016162 / 0847 |
| UM-09190 | 10/950,784 | | 016391 / 0563 |
| UM-09159 | 10/921,742 | | 016409 / 0248 |
| UM-09113 | 10/886,450 | | 016162 / 0847 |
| UM-09098 | 10/909,035 | | 016310 / 0405 |
| UM-09090 | 09/488,867 | 6,867,022 | 010825 / 0628 |
| UM-09064 | 10/864,207 | | 017069 / 0956 |
| UM-09061 | 10/867,519 | | 015881 / 0333 |
| UM-09032 | 10/845,799 | 7,244,557 | 015806 / 0666 |
| UM-09030 | 10/848,259 | | 015806 / 0302 |
| UM-09027 | 10/844,216 | | 016090 / 0052 |
| UM-09011 | 10/835,151 | | 015897 / 0888 |
| UM-08967 | 10/848,637 | 7,173,010 | 015827 / 0441 |
| UM-08922 | 10/794,342 | 7,041,491 | 015704 / 0657 |
| UM-08918 | 10/795,535 | | 015615 / 0544 |
| UM-08912 | 10/845,407 | 7,208,154 | 015830 / 0121 |
| UM-08901 | 10/781,362 | | 015716 / 0731 |

| | | | |
|----------|------------|-----------|--------------------------------|
| UM-08794 | 10/779,404 | | 015579 / 0308 |
| UM-08780 | 10/807,531 | | 015663 / 0484 |
| UM-08764 | 10/798,470 | | 015636 / 0315 |
| UM-08737 | 10/767,325 | | 012739 / 0881 |
| UM-08725 | 10/755,594 | 7,135,611 | 015476 / 0957 |
| UM-08723 | 10/756,068 | | 015514 / 0617 |
| UM-08483 | 10/765,743 | | 015695 / 0896 |
| UM-08477 | 10/729,156 | | 015515 / 0284 |
| UM-08469 | 10/720,417 | | 014898 / 0054 |
| UM-08443 | 10/701,871 | | 015299 / 0159 |
| UM-08441 | 10/699,941 | | 015186 / 0097 |
| UM-08410 | 10/686,417 | | 015143 / 0403 |
| UM-08388 | 10/670,065 | | 015012 / 0125 |
| UM-08378 | 10/343,692 | 7,115,360 | 012480 / 0604 012479 / 0150 |
| UM-08377 | 09/920,517 | 6,984,522 | 012480 / 0604 012479 / 0150 |
| UM-08351 | 10/654,532 | | 014965 / 0129 |
| UM-08333 | 10/648,512 | | 014916 / 0279 |
| UM-08332 | 10/660,056 | 7,048,856 | 017150 / 0595 |

| | | | |
|----------|------------|-----------|---------------|
| UM-08328 | 10/640,914 | | 014896 / 0220 |
| UM-08325 | 10/639,263 | 7,169,594 | 014898 / 0054 |
| UM-08196 | 10/617,067 | | 014727 / 0442 |
| UM-08192 | 10/634,114 | | 015340 / 0960 |
| UM-08146 | 10/459,218 | 7,256,277 | 9222 / 0417 |
| UM-08138 | 10/452,184 | | 014641 / 0621 |
| UM-08135 | 10/448,564 | | 014578 / 0907 |
| UM-08131 | 10/444,198 | | 014732 / 0169 |
| UM-08120 | 10/444,204 | 6,855,340 | 014522 / 0709 |
| UM-08117 | 10/431,956 | 7,078,461 | 015709/0023 |
| UM-08102 | 10/419,033 | | 014413 / 0959 |
| UM-07884 | 10/427,211 | 7,186,712 | 014522/0695 |
| UM-07872 | 10/384,016 | | 014353 / 0542 |
| UM-07869 | 07/710,558 | | 6098 / 0698 |
| UM-07860 | 09/643,476 | 6,599,495 | 009222/0417 |
| UM-07859 | 10/193,524 | | 009222/0417 |
| UM-07858 | 10/192,915 | | 009222/0417 |
| UM-07857 | 09/369,912 | 6,492,504 | 009222/0417 |

| | | | |
|----------|------------|-----------|---------------|
| UM-07856 | 09/285,379 | 6,451,765 | 009222/0417 |
| UM-07850 | 08/994,076 | 6,500,937 | 009222/0417 |
| UM-07820 | 10/669,865 | | 015168 / 0670 |
| UM-07819 | 09/732,362 | 6,567,684 | 011568 / 0342 |
| UM-07806 | 10/345,802 | | 014159 / 0423 |
| UM-07805 | 10/345,731 | | 014023 / 0128 |
| UM-07745 | 10/364,748 | | 014317 / 0647 |
| UM-07715 | 10/340,928 | | 015308 / 0863 |
| UM-07579 | 10/343,267 | | 014397 / 0773 |
| UM-07455 | 10/286,085 | | 013937 / 0978 |
| UM-07447 | 10/273,476 | 7,253,271 | 013721 / 0742 |
| UM-07446 | 10/269,190 | | 013760 / 0671 |
| UM-07440 | 10/408,643 | | 014427 / 0324 |
| UM-07423 | 10/365,840 | | 014688 / 0605 |
| UM-07420 | 10/244,855 | 7,202,045 | 013610 / 0969 |
| UM-07419 | 10/244,853 | | 013566 / 0212 |
| UM-07418 | 10/244,854 | | 013628 / 0857 |
| UM-07403 | 10/280,653 | | 013792 / 0948 |

| | | | |
|----------|------------|-----------|--------------------------------|
| UM-07288 | 10/222,334 | 7,037,658 | 013529 / 0495 |
| UM-07283 | 10/217,878 | | 013511 / 0327 |
| UM-07273 | 08/881,037 | 6,080,588 | 011328/0881 |
| UM-07269 | 09/767,283 | 7,220,739 | 011328 / 0881 |
| UM-07268 | 09/700,101 | 7,125,866 | 011328 / 0881 |
| UM-07261 | 10/179,547 | | 015315 / 0738 |
| UM-07244 | 10/178,342 | 6,890,552 | 013928 / 0937 |
| UM-07242 | 10/184,194 | 6,916,472 | 011048 / 0485 |
| UM-07240 | 10/173,524 | 7,001,884 | 013327 / 0500 |
| UM-07234 | 10/171,228 | | 013326 / 0889 |
| UM-07231 | 10/162,970 | | 013259 / 0067 |
| UM-07225 | 10/294,957 | | 013938 / 0019 |
| UM-07221 | 10/210,120 | 7,229,774 | 013610 / 0879 |
| UM-07204 | 10/133,711 | 6,931,325 | 013396 / 0541 |
| UM-07203 | 10/133,896 | | 013129 / 0631 |
| UM-07172 | 10/242,008 | 7,108,975 | 013843 / 0466 |
| UM-07169 | 10/241,411 | | 014615 / 0664 011484 / 0624 |
| UM-07160 | 10/285,824 | | 014211 / 0753 |

| | | | |
|----------|------------|-----------|--------------------------------------------------------------------------------|
| UM-06984 | 10/314,506 | 7,060,442 | 014079 / 0792 |
| UM-06983 | 10/123,435 | 6,902,933 | 013119 / 0858 |
| UM-06982 | 10/139,496 | | 013285 / 0428 |
| UM-06968 | 10/149,736 | 6,869,777 | 013888 / 0427 |
| UM-06962 | 10/087,345 | 6,849,449 | 012965 / 0077 |
| UM-06889 | 10/099,382 | 7,211,654 | 013410 / 0032 |
| UM-06849 | 10/157,442 | | 013341 / 0806 015289 / 0693 |
| UM-06692 | 10/007,047 | | 012739 / 0881 |
| UM-06669 | 10/002,802 | 7,056,741 | 012816 / 0991 |
| UM-06636 | 09/968,930 | | 014505 / 0964 |
| UM-06634 | 09/965,447 | 6,635,676 | 012498 / 0631 |
| UM-06617 | 09/960,454 | 6,897,067 | 012538 / 0721 |
| UM-06609 | 09/940,243 | | 012510 / 0358 |
| UM-06518 | 09/898,178 | 6,417,384 | 008436/0437 |
| UM-06455 | 09/919,516 | 6,440,452 | 014354 / 0611 |
| UM-06440 | 08/443,982 | | 007681 / 0308 |
| UM-06439 | 08/844,691 | 6,747,138 | PTO never provided frame and reel; assignments docs re-faxed to PTO on 9/6/07. |
| UM-06436 | 09/224,556 | | 5918 / 250 |

| | | | |
|----------|------------|-----------|---------------|
| UM-06435 | 08/826,577 | | 5918 / 250 |
| UM-06421 | 08/591,605 | 6,060,238 | 008257 / 0411 |
| UM-06419 | 08/457,731 | 7,097,972 | 008169 / 0430 |
| UM-06419 | 08/457,731 | 7,097,972 | 008169 / 0430 |
| UM-06418 | 09/270,813 | 6,046,007 | 007469 / 0152 |
| UM-06418 | 09/270,813 | 6,046,007 | 007469 / 0152 |
| UM-06417 | 08/389,812 | 6,015,665 | 007469 / 0152 |
| UM-06411 | 08/313,200 | 5,998,153 | 007379 / 0281 |
| UM-06198 | 09/962,059 | 7,056,503 | 012727 / 0270 |
| UM-06191 | 09/867,924 | | 012175 / 0312 |
| UM-06155 | 09/891,086 | 6,559,189 | 012255 / 0150 |
| UM-06106 | 09/778,496 | 7,069,151 | 012096 / 0706 |
| UM-04920 | 09/747,742 | 6,299,898 | 011420 / 0976 |
| UM-04496 | 09/613,170 | 7,018,841 | 009002 / 0783 |
| UM-04491 | 09/751,059 | | 011669 / 0827 |
| UM-04408 | 09/574,377 | 6,573,370 | 011048 / 0485 |
| UM-04392 | 09/562,616 | 6,599,744 | 011679 / 0742 |
| UM-04391 | 09/561,111 | 6,506,803 | 011215 / 0567 |

| | | | |
|----------|------------|-----------|--------------------------------|
| UM-04389 | 09/248,093 | 6,426,184 | 014615 / 0664 011484 / 0624 |
| UM-04317 | 09/570,198 | 6,471,968 | 011046 / 0895 |
| UM-04315 | 09/002,228 | 6,015,832 | 009489 / 0909 |
| UM-04266 | 09/540,824 | 6,383,753 | 011008 / 0702 |
| UM-04208 | 09/571,479 | 6,680,172 | 011040 / 0401 |
| UM-03950 | 09/338,413 | 6,197,330 | 010232 / 0572 |
| UM-03772 | 09/319,406 | 6,255,519 | 008436/0437 |
| UM-03686 | 09/366,314 | | 010400 / 0393 |
| UM-03626 | 09/244,752 | 6,063,622 | 008460 / 0525 |
| UM-03625 | 09/245,497 | 6,083,750 | 008460 / 0525 |
| UM-02473 | 08/840,804 | 5,972,332 | 008853 / 0017 |

The Regents of the University of Michigan, as Assignee of record of the entire right, title, and interest of each of the above-identified patents and patent applications, or an undivided interest in the entire right, title, and interest of the above-identified patents and patent applications, hereby revokes all previous powers of attorney and appoints:

The practitioners associated with Customer Number 72960

as its attorneys with full power of substitution to prosecute these applications and transact all business in the Patent and Trademark Office in connection therewith.

Please direct all future correspondence and telephone calls regarding this application to:

The address associated with Customer Number 72960

I hereby certify that the Assignment documents filed with each of these applications, or filed subsequent to the filing date of the application, have been reviewed and I hereby certify that, to the best of my knowledge and belief, title is with The Regents of the University of Michigan. A Statement under 37 C.F.R. 3.73(b) is included herewith.

Dated: 13 Sept 2007

By: Ruth L. Rasor

Name: _____

Title: _____

Ruth L. Rasor
Director of Licensing, UM Technology Transfer
The Regents of the University of Michigan
3003 S. State Street, Suite 2071
Ann Arbor, Michigan 48109-1280

STATEMENT UNDER 37 C.F.R. 3.73(b)

The Regents of the University of Michigan states that it is the assignee of the entire right, title, and interest in the patents and patent applications listed above, or an undivided interest in the entire right, title, and interest in the patents and patent applications listed above, by virtue of assignments by each of the inventor(s) of these patents and patent applications. The assignments were recorded in the United States Patent and Trademark Office at the Reel and Frame Numbers indicated in the right-hand column.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Dated: 13 Sept 2007

By: Ruth L. Rasor

Name: _____

Title: _____

Ruth L. Rasor
Director of Licensing, UM Technology Transfer
The Regents of the University of Michigan
3003 S. State Street, Suite 2071
Ann Arbor, Michigan 48109-1280